

Amendment to the Claims:

Please amend claims 1, 10, and 11.

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A composition comprising a metal characterized by an X-ray fluorescence analysis wherein the analysis recites an emission detected at room temperature indicating the presence of an element in the periodic table wherein said composition has not been in contact with said element.
2. (Canceled)
3. (Previously Amended) The composition of Claim 1 wherein said element is selected from the group consisting of Al, Si, S, Cl, Sc, Ga, Rh, La, Er, Re, or Ir.
- 4-5. (Canceled)
6. (Original) A copper-containing composition, free of an element, characterized by an XRF analysis that detects said element.
7. (Original) The copper-containing composition of Claim 6 wherein said element is sulfur.
8. (Canceled)
9. (Original) The copper containing composition of Claim 6 wherein the composition is an alloy.

10. (Currently Amended) A composition comprising a metal characterized by an X-ray fluorescence goniometer scan wherein the scan pattern differs in peak shape or centroid position from a calibrated standard for at least one element.
11. (Currently Amended) A composition comprising a metal characterized by an X-ray fluorescence analysis report wherein the sum before normalization is less than 90%.
12. (Previously Presented) The composition of Claim 1 wherein said composition is manufactured by exposing a starting composition to an iterative cyclic process in the presence of a carbon source.
13. (Previously Presented) The composition of Claim 1 wherein said composition is a transition metal or silicon.